

OPTIMAL PREDICTION MEASURES AND POLYNOMIALS OF EXTREMAL GROWTH

Franck WIELONSKY

Université Aix-Marseille

franck.wielonsky@univ-amu.fr

We review some properties of optimal prediction measures (OPM), a notion related to optimal designs in statistics. The study of OPM's is connected with many classical notions in approximation and potential theory, such as the Bergman kernel, the Christoffel function, polynomials of extremal growth, Faber polynomials, the Szego function and balayage of measures. We describe some of these connections and give some hints on the asymptotic behavior of OPM's.

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